

Re: A PC question.

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2008-05/msg00643.html>

- *From:* jango2 <crow_slapper@xxxxxxxxxxxx>
 - *Date:* Mon, 19 May 2008 04:32:27 -0700 (PDT)
-

Dave Plowman: "The bios power management page again showed the CPU overheating – going from ambient to overheat in around a minute. But the heatsink was cool to the touch. ;-)"

Franc Zabkar: "There is a thermal diode on the CPU die. The diode appears on two pins, THERMDA and THERMDC (anode and cathode?). An external hardware monitor chip senses the diode voltage and adds calibration factors (eg temperature offset) as per the CPU's Thermtrip Status Register. Furthermore AMD's datasheet states that "if the temperature sensor has an ideality factor different from 1.008, a small correction to this offset is required".

Me: Find the diode and replace it.